

--RELATED APPLICATIONS

This application is a U.S. national phase of International Application No. PCT/NL00/00374, filed May 31, 2000, which is a complete and foreign application of Dutch patent application No. 1012208, filed June 1, 1999.--

Page 1, line 13, delete "WO 91/10243" and insert therefor --U.S. Patent No. 5,610,989--.

Page 2, line 3, delete "WO 91/10243" and insert therefor --U.S. Patent No. 5,610,989--.

Page 2, line 28, delete "WO 91/10243" and insert therefor --U.S. Patent No. 5,610,989--.

Page 3, line 24, delete "Dutch patent application 1004877" and insert therefor -- commonly assigned U.S. Patent No. 6,078,677, entitled "Electroacoustic Transducer With Improved Diaphragm Attachment," which is incorporated herein by reference in its entirety--.

IN THE CLAIMS:

Please cancel claims 1-7 as originally filed in the parent PCT application.

Please add new claims 8-26.

--8. A coil assembly for an electroacoustic transducer, comprising:
a coil having a coil opening defining an axis therethrough; and
a circuit board wherein at least a portion thereof is positioned against said coil in a substantially perpendicular relationship to said axis.

9. The coil assembly of claim 8, wherein said circuit board is flexible.

10. The coil assembly of claim 8, wherein said circuit board is rigid.

11. The coil assembly of claim 8, wherein said circuit board includes an opening, said opening of said circuit board being substantially aligned with said coil opening.

12. An assembly for an electroacoustic transducer, comprising:
an armature having a first leg;
a coil having a coil opening adapted to receive said first leg therethrough; and
a circuit board having an opening adapted to receive said first leg therethrough,
said circuit board being attached to said coil.

13. The assembly of claim 12, wherein said armature includes a second leg, said circuit board having a first slot adapted to receive said second leg therethrough.

14. The assembly of 12, wherein said first leg and said second leg are disposed to form a U-shaped armature.

15. The assembly of claim 13, wherein said armature includes a third leg, said circuit board having a second slot adapted to receive said third leg therethrough.

16. The assembly of claim 15, wherein said first leg, said second leg, and said third leg are disposed to form an E-shaped armature.

17. The assembly of claim 12, wherein said circuit board is attached to said coil via an adhesive.

18. The assembly of claim 12, wherein said coil opening and said circuit board opening are dimensioned so as to permit movement of said first leg of said armature in said coil opening and said opening.

19. The assembly of claim 12, wherein at least a portion of said circuit board is substantially perpendicular to said first leg.

20. An electroacoustic transducer, comprising:

a case;

a transducing assembly disposed in said case, including:

an armature having a first leg;

a coil having a coil opening through which said first leg is received;

a circuit board attached to said coil, said circuit board having an opening

through which said first leg is received, said circuit board

including at least one terminal; and

a magnet assembly including a first magnet separated from a second magnet by a gap, said first leg being received through said gap; and

connecting means for connecting said first leg to a diaphragm disposed in said case.

21. The electroacoustic transducer of claim 20 further comprising a pin connected to said at least one terminal of said circuit board, said pin extending through an aperture in said case.

22. The electroacoustic transducer of claim 20, wherein said armature includes a second leg and a third leg, said circuit board includes a first slot disposed along a first outer edge of said circuit board and a second slot disposed along a second outer edge of said circuit board, said first slot receiving said second leg and said second slot receiving said third leg.

23. The electroacoustic transducer of claim 20, wherein said circuit board is substantially perpendicular to said first leg.

24. A method of assembling an electroacoustic transducer assembly, comprising the steps of:

providing a coil having a coil opening;

attaching a circuit board to said coil, said circuit board having an opening;